

Form PTO-1449	U.S. Department of Commerce Patent and Trademark Office	ATTY. DOCKET NO. PB60213	INTERNATIONAL APPLICATION NO. PCT/EP04/04001 <b>10/552571</b>
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use several sheets if necessary)</i>		APPLICANT Barry BARTON, Susan JENSEN, Alison Michelle GRIFFIN and Annie WONG	
		FILING DATE Herewith	GROUP

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
AA	4,202,819	5/13/80	Kellett <i>et al.</i>	260	245.3	

## FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
	BA	WO98/33896	06 Aug 1998	PCT				
	BB	WO01/30977	03 May 2001	PCT				
	BC	WO03/040372	15 May 2003	PCT				
	BD	WO00/03581	27 Jan. 2000	PCT				
	BE	JP 53-104796	12 Sept 1978	Japan				
	BF	ES 550549	1987 / 05	Spain				
	BG	EP 0 550549	20 Sept 1990	EP				
	BH	2,108,113	10 Apr 1995	Canada				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

CA	Liras P., et al., "Clavulanic acid, a $\beta$ -lactamase inhibitor: biosynthesis and molecular genetics," <i>Applied Microbiology and Biotechnology</i> , Springer Verlag Berlin, Germany (2000) 54(4):467-475.
CB	Mosher R., et al., "Genes Specific for the Biosynthesis of Clavam Metabolites Antipodal to Clavulanic Acid are Clustered with the Gene for Clavaminase Synthase 1 in Streptomyces Clavuligerus," <i>Antimicrobial Agents and Chemotherapy</i> , American Society for Microbiology, Washington, DC (May 1999) 43(5):1215-1224.
CC	A.L. Demain, "Biosynthesis and Regulation of Beta-Lactam Antibiotics", <i>50 Years of Penicillin Applications, History &amp; Trends</i> (1990).
CD	Townsend, et al., "Biosynthesis of clavulanic Acid: Origin of the C <sub>2</sub> Unit," <i>J. Am. Chem. Soc.</i> , 107(4):1066-1068 (1985).
CE	Valentine, et al., "Evidence that Arginine is a Later Metabolic Intermediate than Ornithine in the Biosynthesis of Clavulanic Acid by Streptomyces Clavuligerus," <i>J. Chem. Soc. Chem. Comm.</i> , 15:1210-1211 (1993).

EXAMINER /Scott Long/	DATE CONSIDERED 04/11/2008
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /SL/